

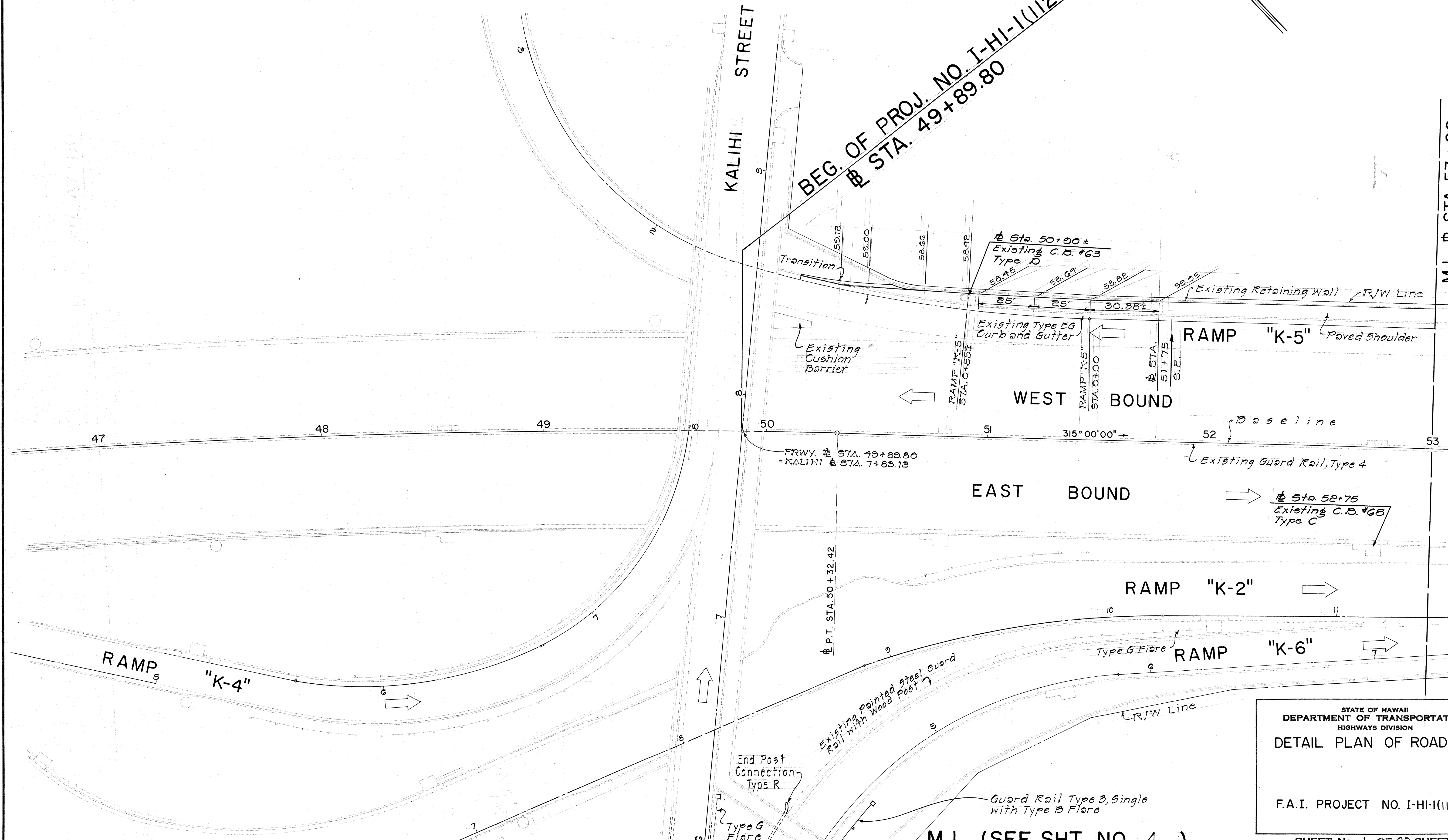
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	3	176

TRUE NORTH
SCALE: 1"=20'

BEG. OF PROJ. NO. I-HI-1(112):19
@ STA. 49+89.80

M.L. @ STA. 53+00

KALIHI STREET



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
NO.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 1 OF 20 SHEETS

M.L. (SEE SHT. NO. 4)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	4	176

RAMP "K-4" →

RAMP "K-2" →

RAMP "K-3" →

MATCH LINE
(SEE SHT. NO. 3)

Existing Painted Steel Guard Rail with Wooden Posts

Existing Type AG Curb

Guard Rail Type 3, Single with Type E F flare

Ramp Down Curb

Guard Rail Type 3, Single with Type D F flare

Remove Curb and Pave Gore Area
Cushion Barrier For Details, See Sheet No. 40

TRUE NORTH
SCALE: 1"=20'

KALIHI STREET

LRW Line

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO I-HI-1(112):19

SHEET No. 2 OF 20 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY		
CHECKED BY		
NOTE BOOK		
QUANTITIES BY		
CHECKED BY		
No.		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	6	176

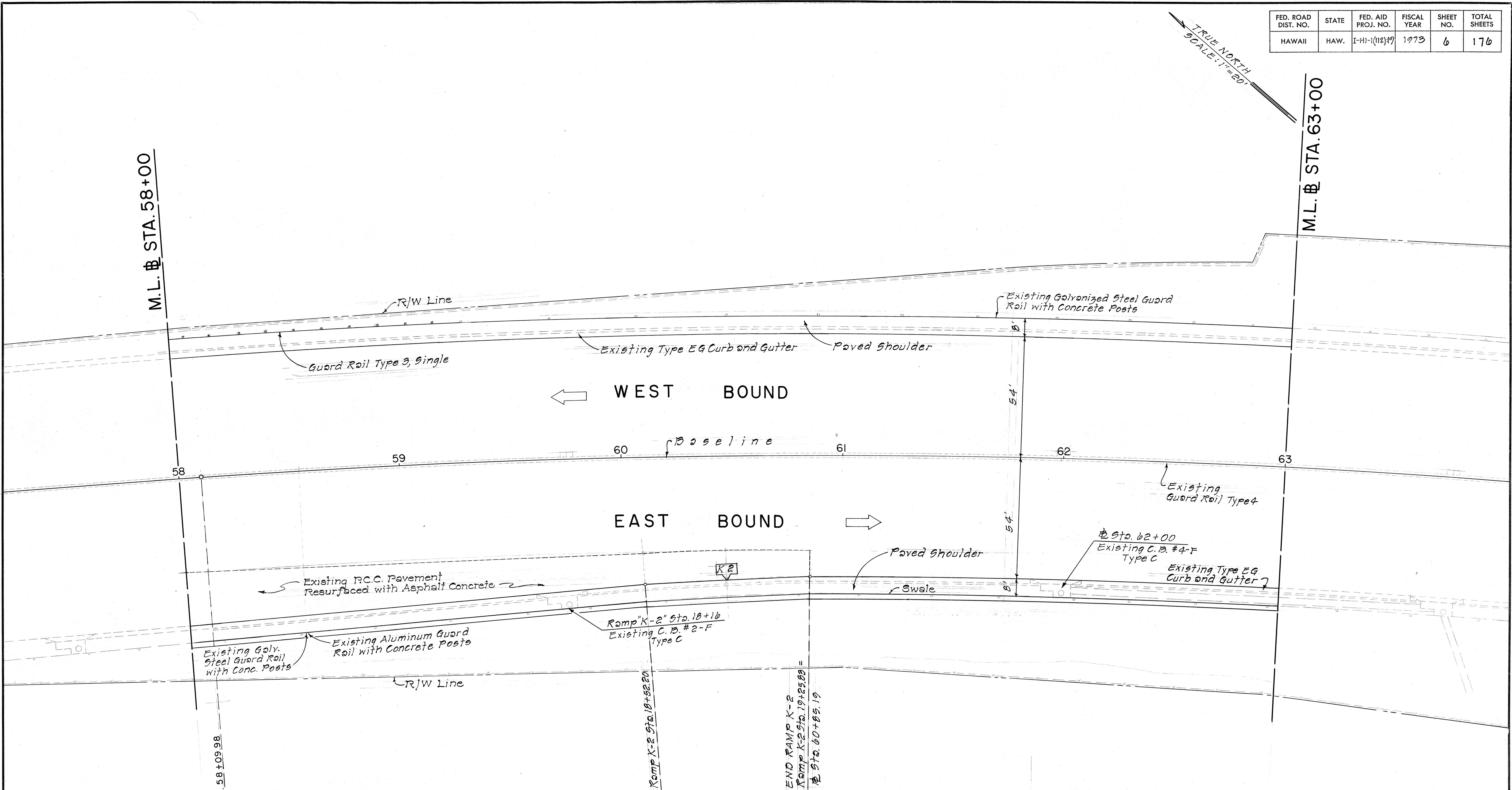
TRUE NORTH
SCALE: 1"=20'

M.L. # STA. 58+00

M.L. # STA. 63+00

WEST BOUND

EAST BOUND



CURVE DATA			
BASELINE		K 2	
$\Delta = 12^{\circ}59'40''$		$\Delta = 5^{\circ}16'23''$	
$R = 3,819.72$		$R = 800.00$	
$T = 435.01$		$T = 76.92$	
$Lc = 866.30$		$Lc = 73.63$	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

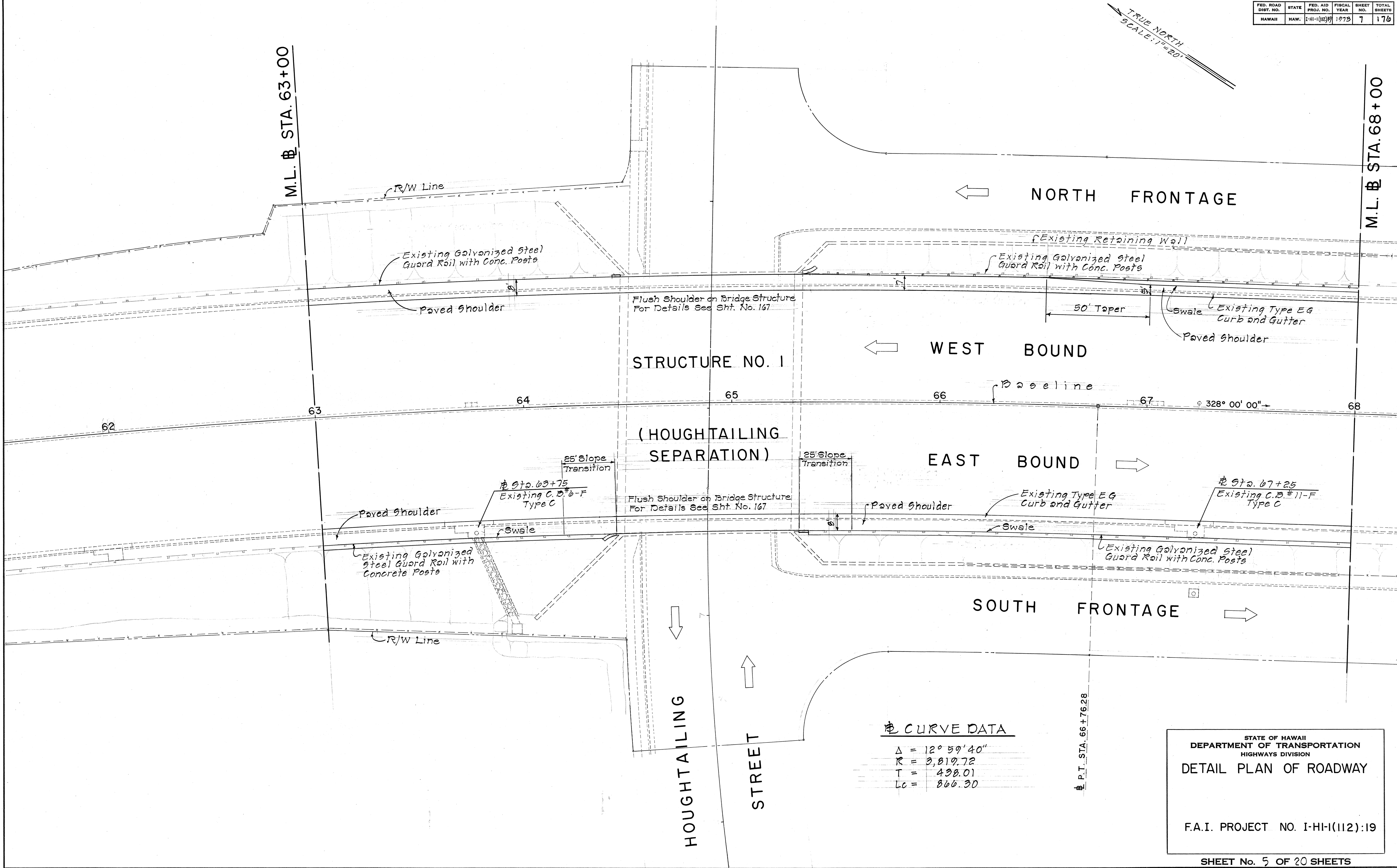
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112)	1973	7	176

TRUE NORTH
SCALE: 1"=20'

M.L. & STA. 63+00

M.L. & STA. 68+00



STRUCTURE NO. 1

(HOUTAILING SEPARATION)

WEST BOUND

EAST BOUND

SOUTH FRONTAGE

CURVE DATA

$\Delta = 12^\circ 59' 40''$
 $R = 3,819.72$
 $T = 438.01$
 $Lc = 866.30$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 5 OF 20 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY	
NO.	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

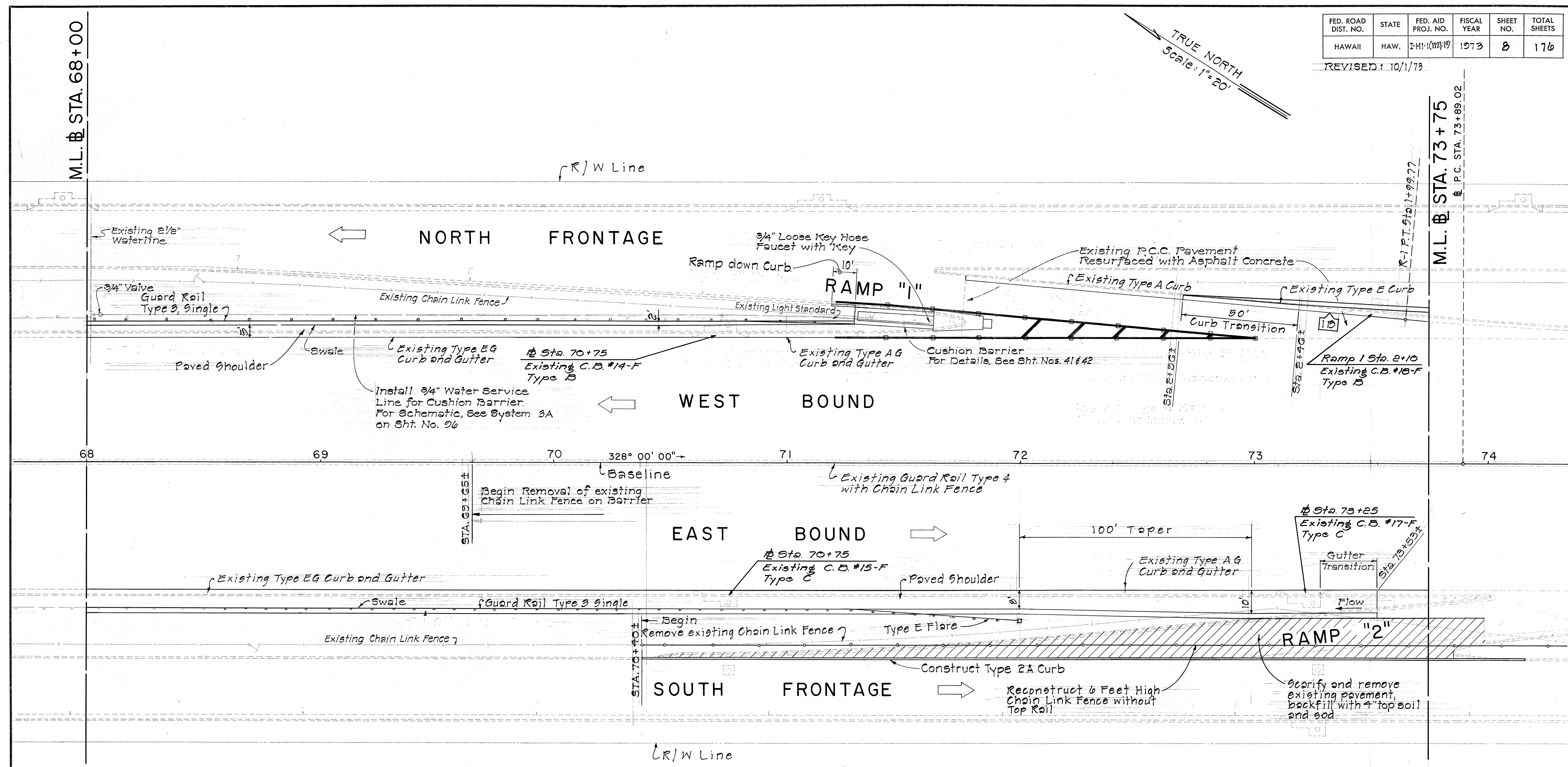
M.L. STA. 68+00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	8	176

REVISED: 10/1/73

TRUE NORTH
Scale: 1"=20'

M.L. STA. 73+75
P.C. STA. 73+89.02



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NO. 1	DRAWN BY	" "
NO. 2	TRACED BY	" "
NO. 3	CHECKED BY	" "
NO. 4	QUANTITIES BY	" "
NO. 5	CHECKED BY	" "

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY
F.A.I. PROJECT NO. I-HI-1(112):19
SHEET No. 6 OF 20 SHEETS

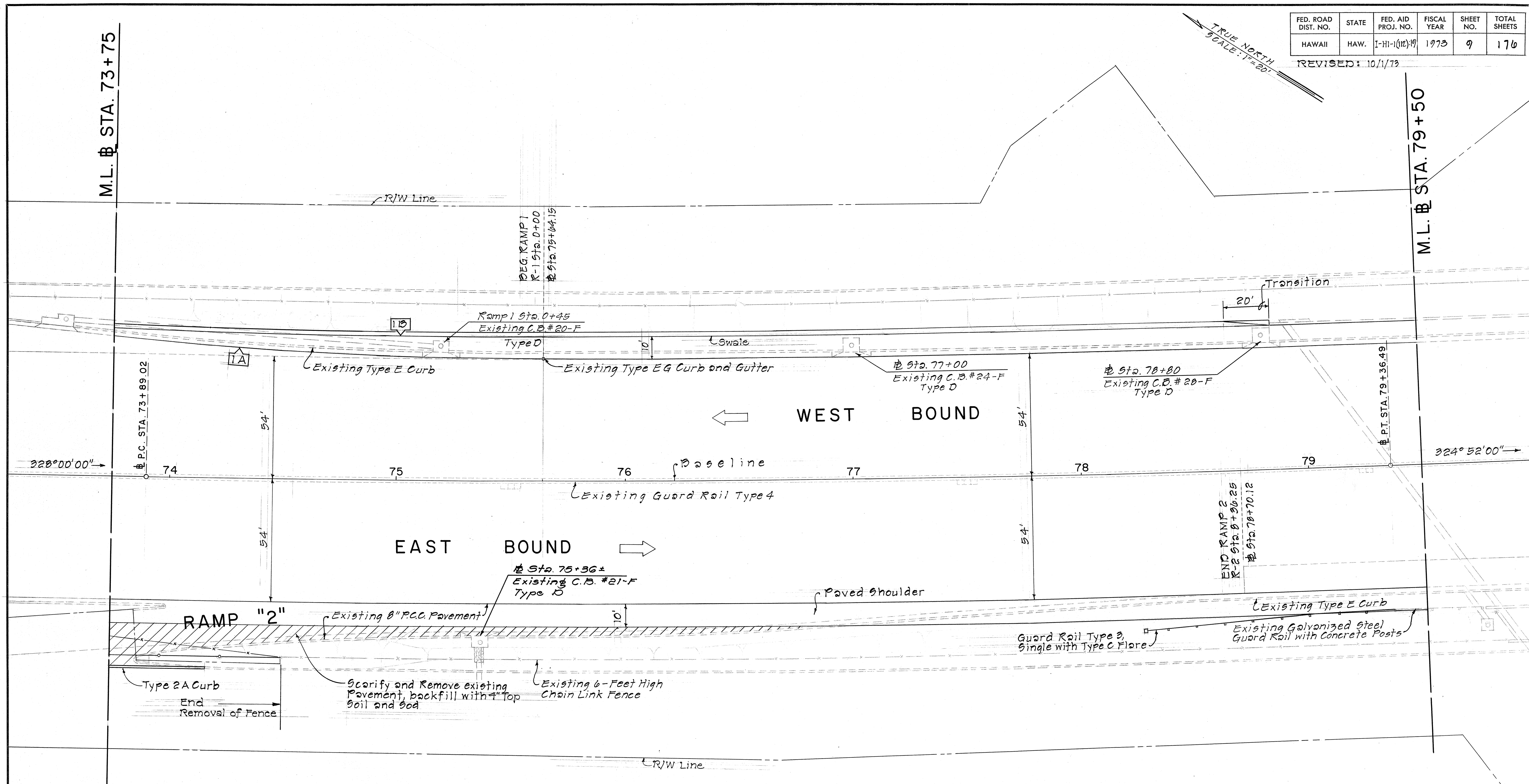
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	9	170

REVISED: 10/1/73

TRUE NORTH
SCALE: 1"=20'

M.L. STA. 79+50

M.L. STA. 73+75



CURVE DATA	
BASELINE	1A
$\Delta = 3^{\circ}08'00''$	$\Delta = 6^{\circ}00'00''$
$R = 10,000.00$	$R = 1,907.69$
$T = 273.50$	$T = 99.98$
$Lc = 546.87$	$Lc = 199.77$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 7 OF 20 SHEETS

9

14

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	10	176

M.L. # STA. 79+50

M.L. # STA. 85+00

TRUE NORTH
SCALE: 1"=20'

NORTH FRONTAGE

SOUTH FRONTAGE

WEST BOUND

EAST BOUND

STRUCTURE NO. 2
(KAPALAMA BRIDGE)

CANAL NO. 1

RAMP "3"

RAMP "4"

CURVE DATA		
3B	4A	4B
$\Delta = 10^{\circ}24'00''$	$\Delta = 6^{\circ}00'00''$	$\Delta = 6^{\circ}00'00''$
$R = 1,200.00$	$R = 1,900.00$	$R = 2,000.00$
$T = 109.21$	$T = 99.58$	$T = 104.82$
$Lc = 217.82$	$Lc = 198.97$	$Lc = 209.44$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

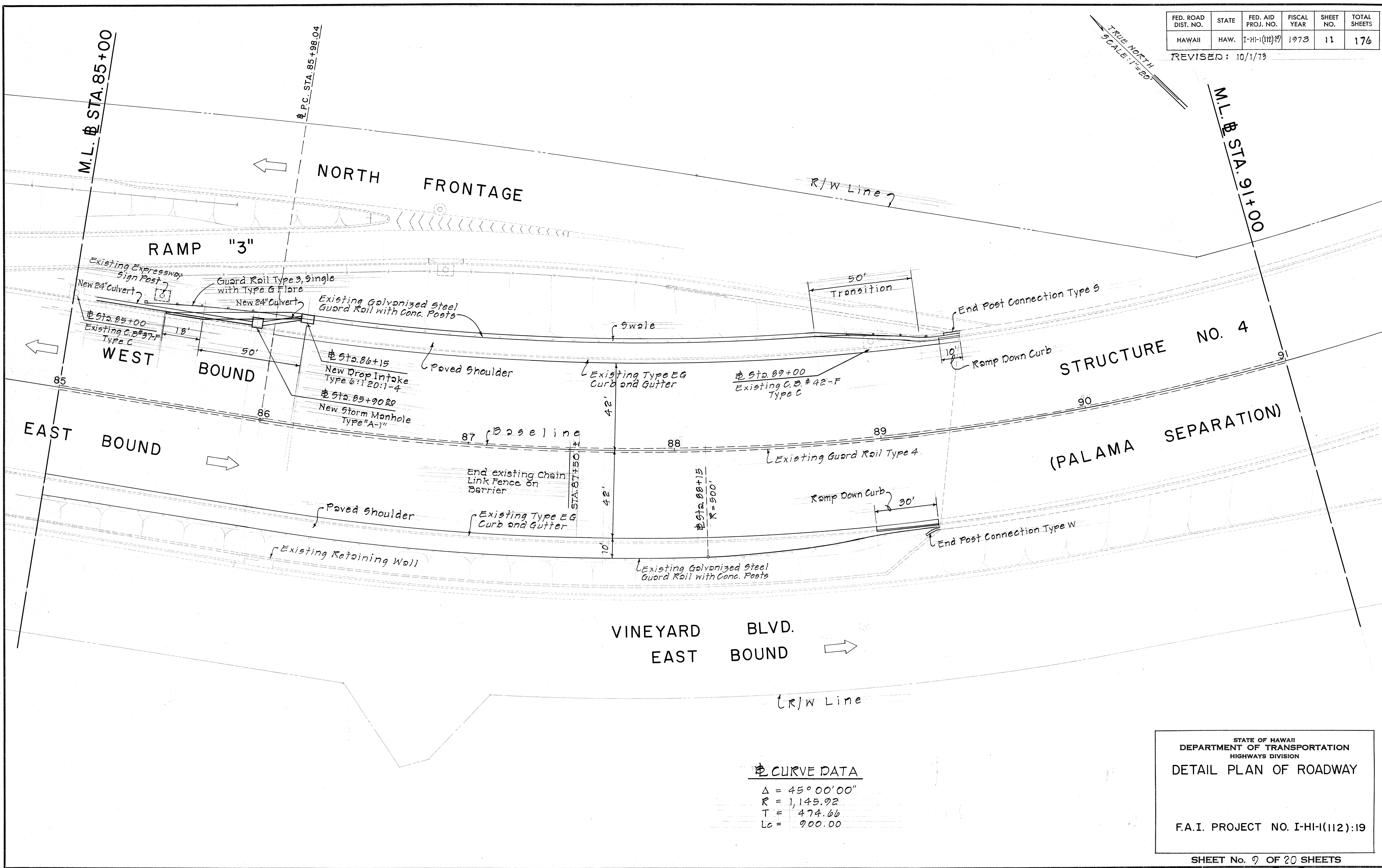
SHEET No. 8 OF 20 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	11	176

REVISED: 10/1/73

TRUE NORTH
SCALE: 1"=20'



CURVE DATA

$\Delta = 45^{\circ}00'00''$
 $R = 1,145.92$
 $T = 474.66$
 $L_c = 900.00$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

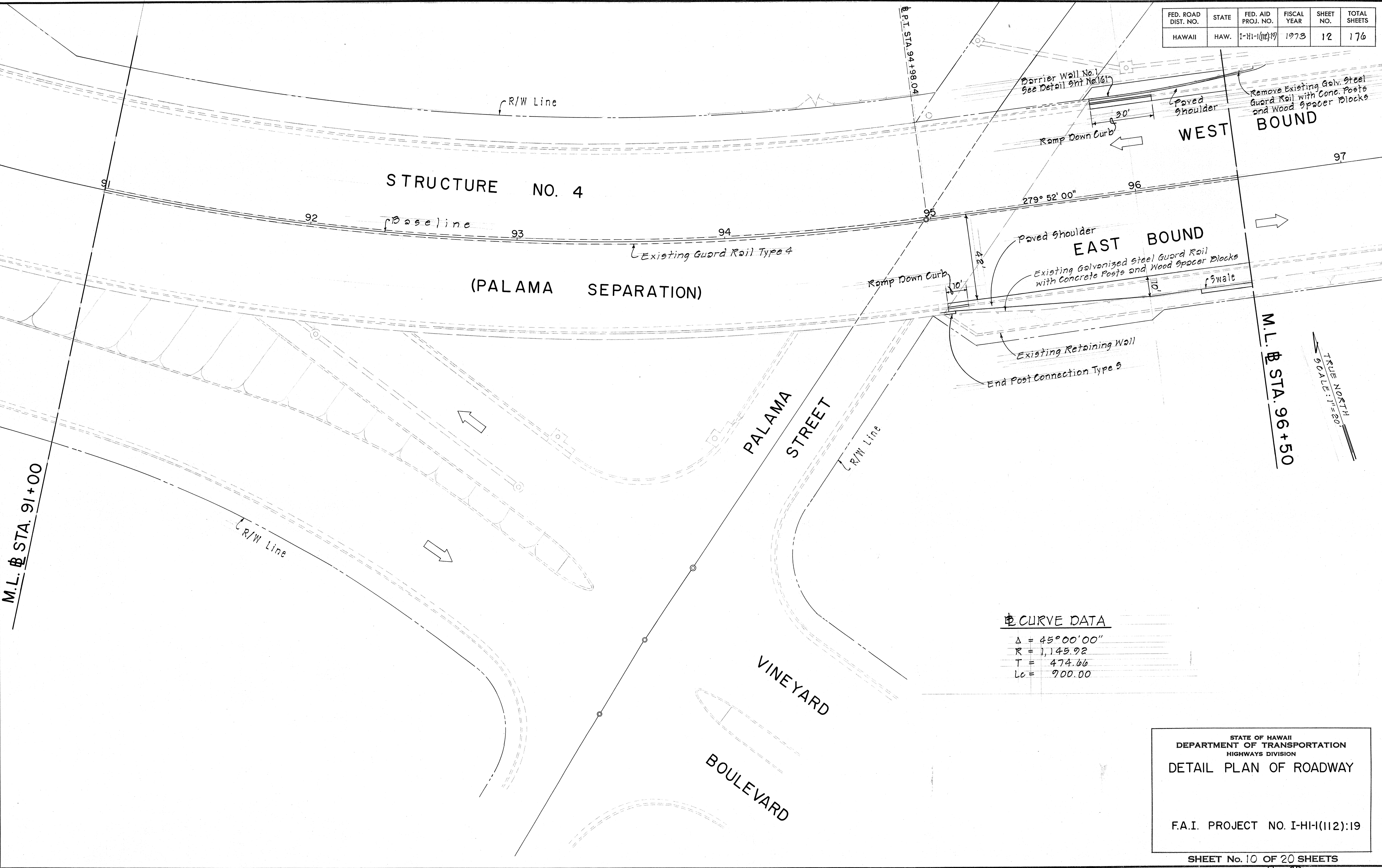
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 9 OF 20 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	" "
TRACED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
ORIGINAL PLAN	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	12	176



CURVE DATA

$\Delta = 45^{\circ}00'00''$
 $R = 1,145.92$
 $T = 474.66$
 $Lc = 900.00$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 10 OF 20 SHEETS

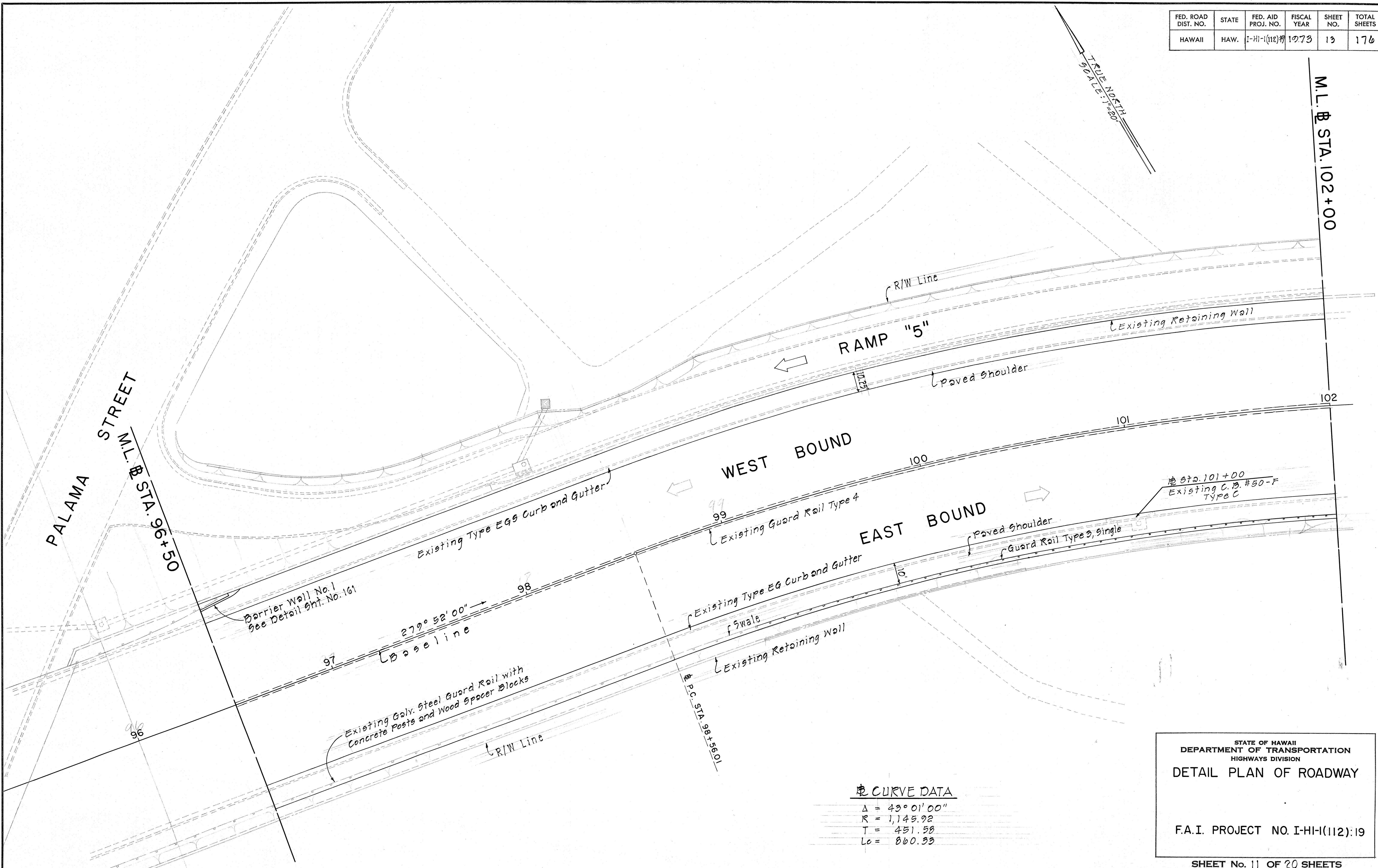
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	TRACED BY	"
	CHECKED BY	"
	QUANTITIES BY	"
	CHECKED BY	"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112) 77	1973	19	176

TRUE NORTH
SCALE 1"=20'

M.L. STA. 102+00

PALAMA STREET
M.L. STA. 96+50



⌘ CURVE DATA

Δ = 43° 01' 00"
R = 1,145.92
T = 451.58
Lo = 860.33

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

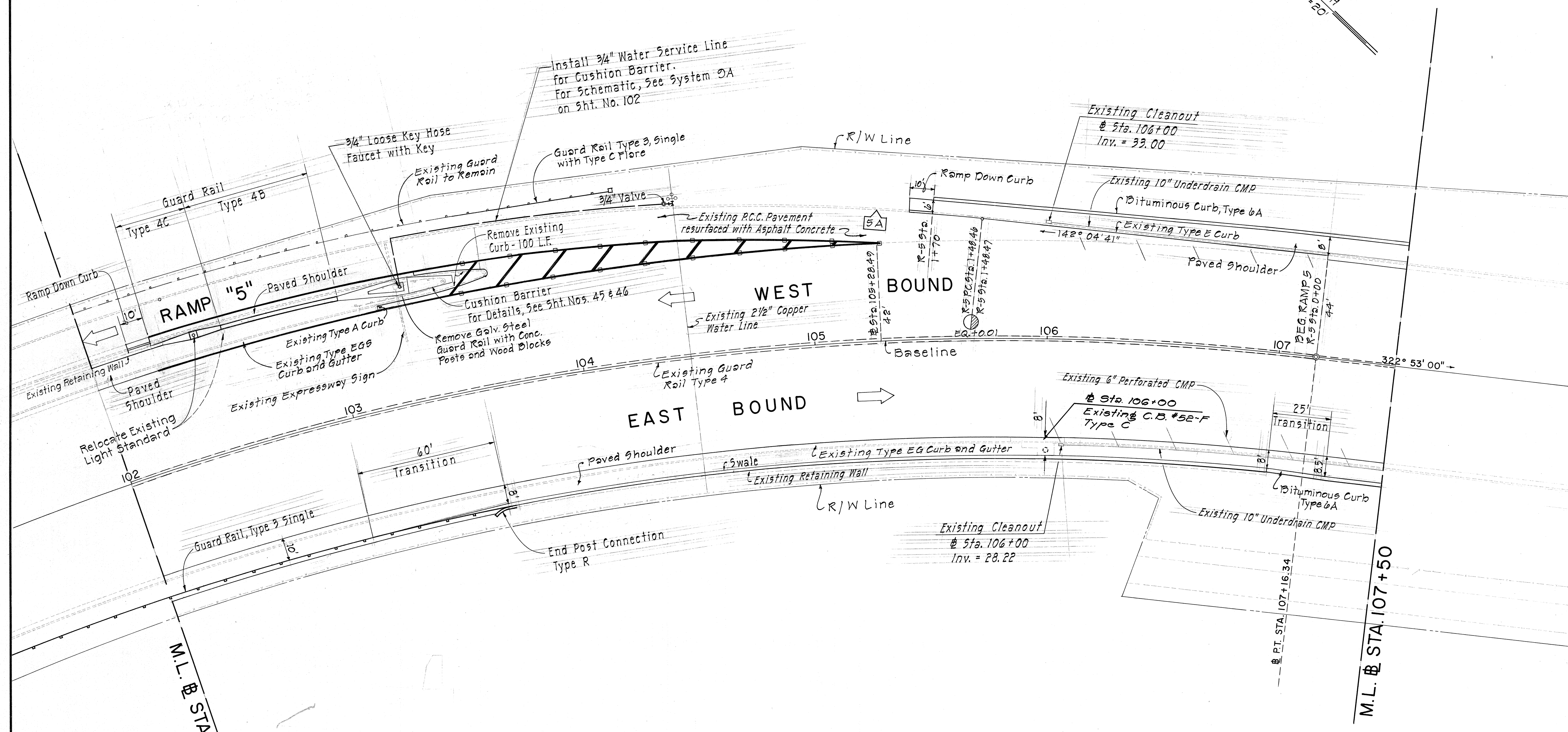
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	" "
NO.	CHECKED BY	" "
	QUANTITIES BY	" "
	DESIGNED BY	" "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	14	176

TRUE NORTH
Scale: 1"=20'



CURVE DATA	
BASELINE	5A
$\Delta = 43^{\circ}01'00''$	$\Delta = 23^{\circ}15'41''$
$R = 1,145.92$	$R = 883.30$
$T = 451.58$	$T = 181.81$
$Lc = 860.33$	$Lc = 358.61$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

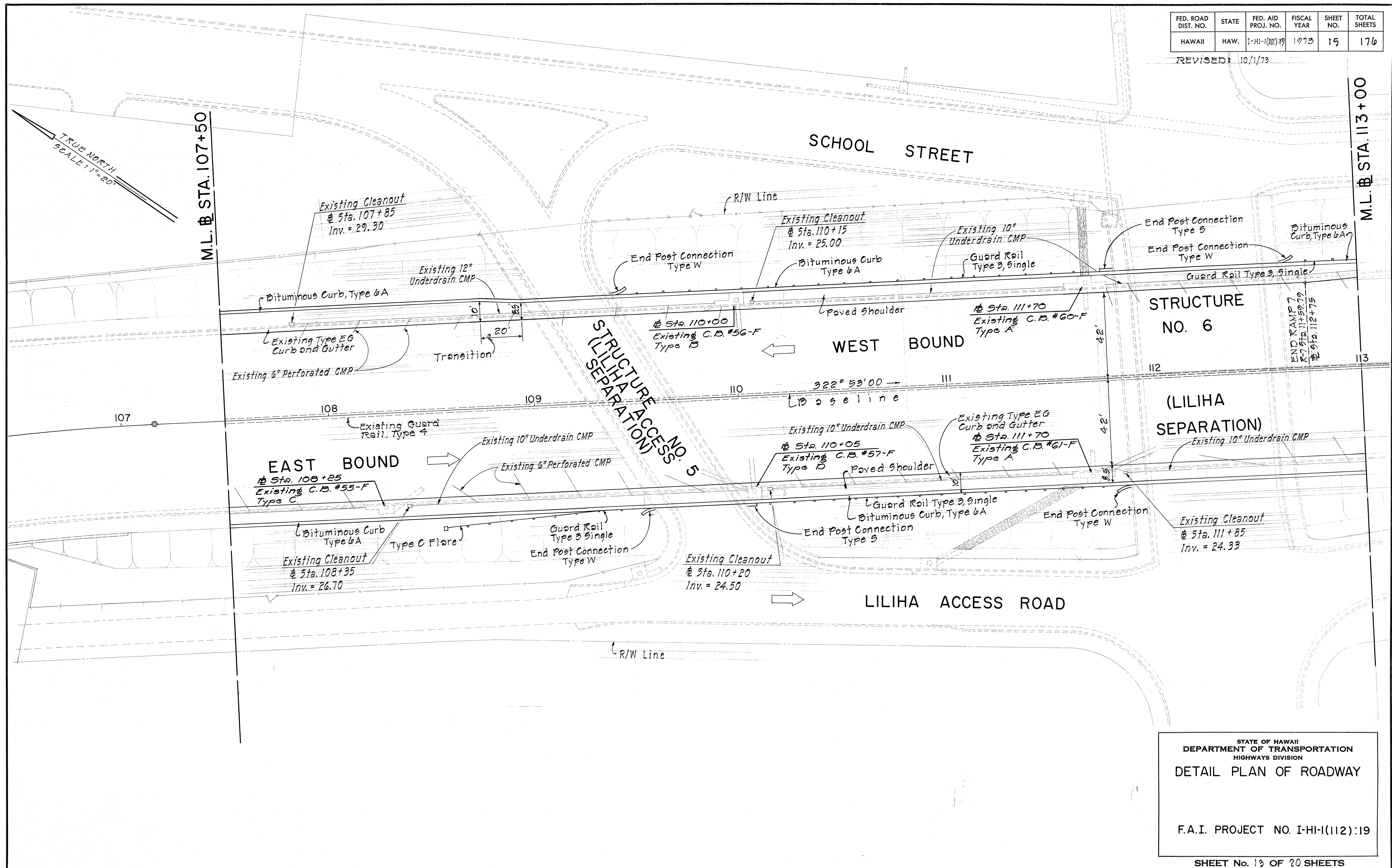
SHEET No. 12 OF 20 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTES BOOK	
QUANTITIES BY	
CHECKED BY	

REVISED: 10/1/73

REVISED: 10/1/73

M.L. STA. 113+00



ORIGINAL PLAN	SURVEY PLOTTED BY.....	DATE.....
	DRAWN BY.....	".....
NOTE BOOK	TRACED BY.....	".....
	DESIGNED BY.....	".....
	QUANTITIES BY.....	".....
No.....	CHECKED BY.....	".....

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

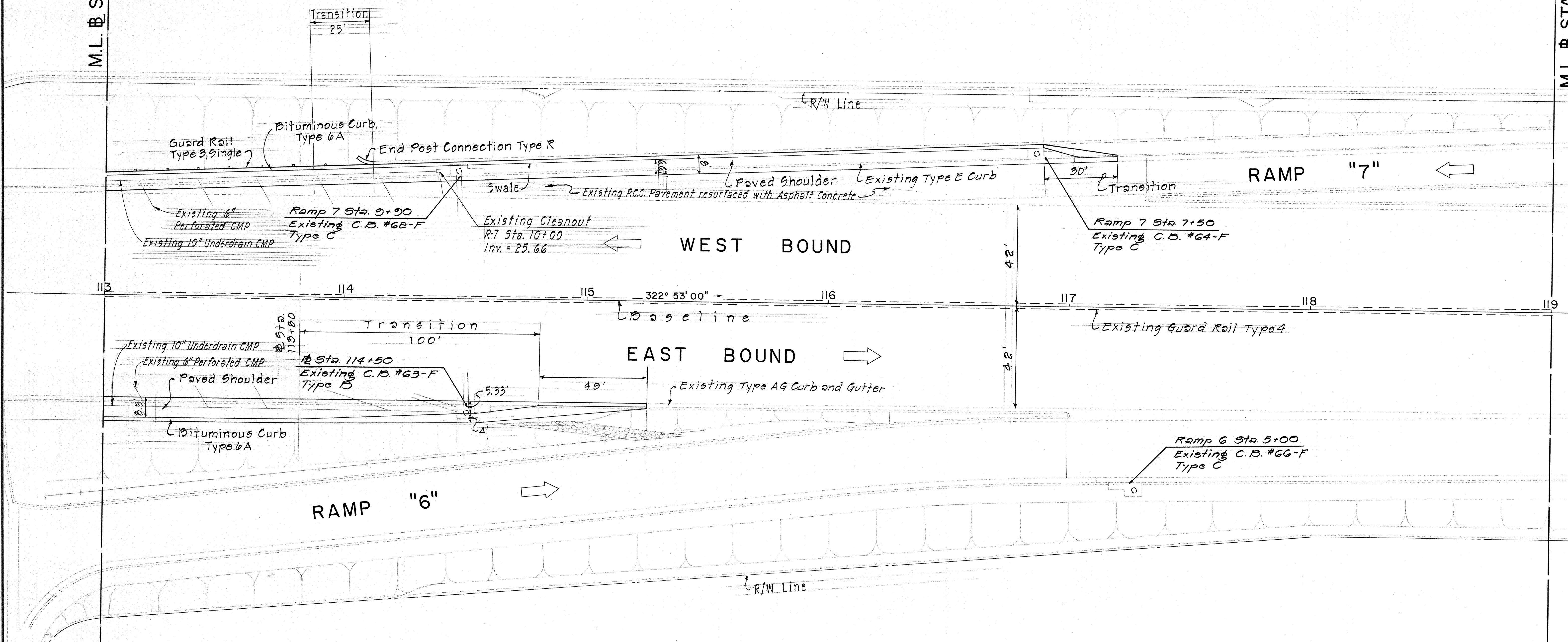
SHEET No. 13 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	16	176

TRUE NORTH
SCALE: 1"=20'

M.L. STA. 113+00

M.L. STA. 119+00



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	" "
CHECKED BY	REVIEWED BY	" "
	QUANTITIES BY	" "
	CHECKED BY	" "

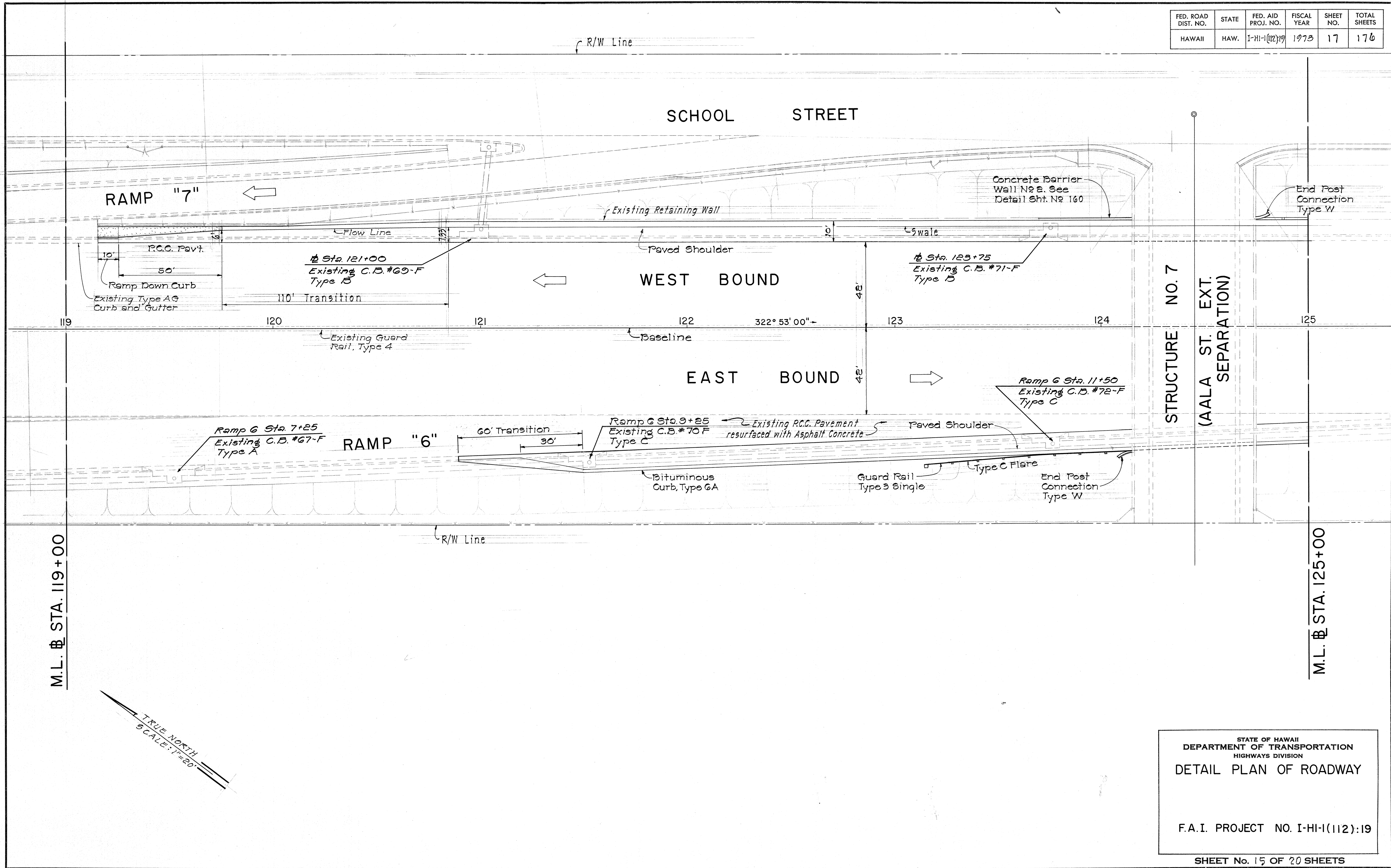
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 14 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	17	176

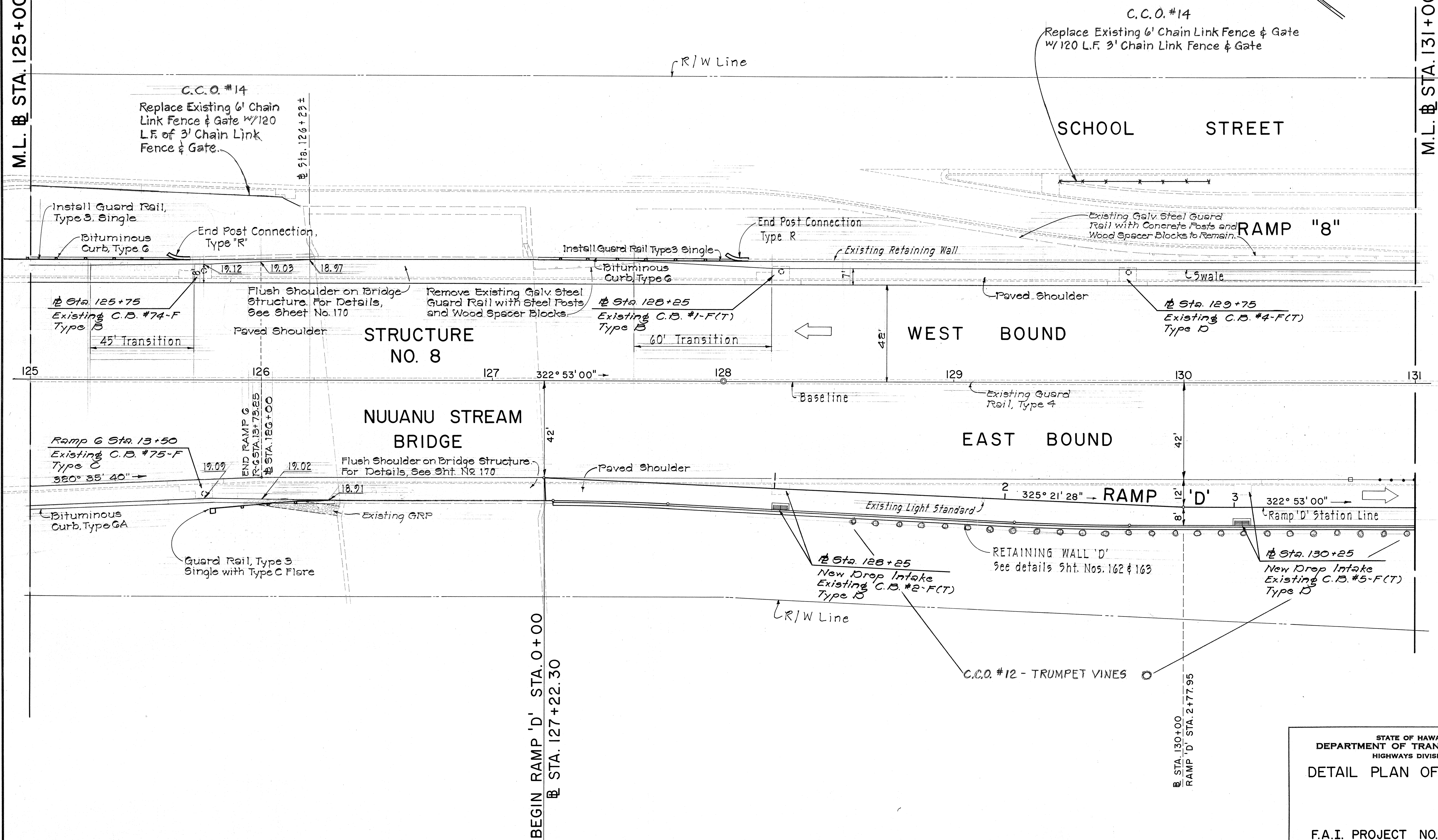


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	18	176

TRUE NORTH
Scale: 1"=20'

M.L. STA. 125+00

M.L. STA. 131+00

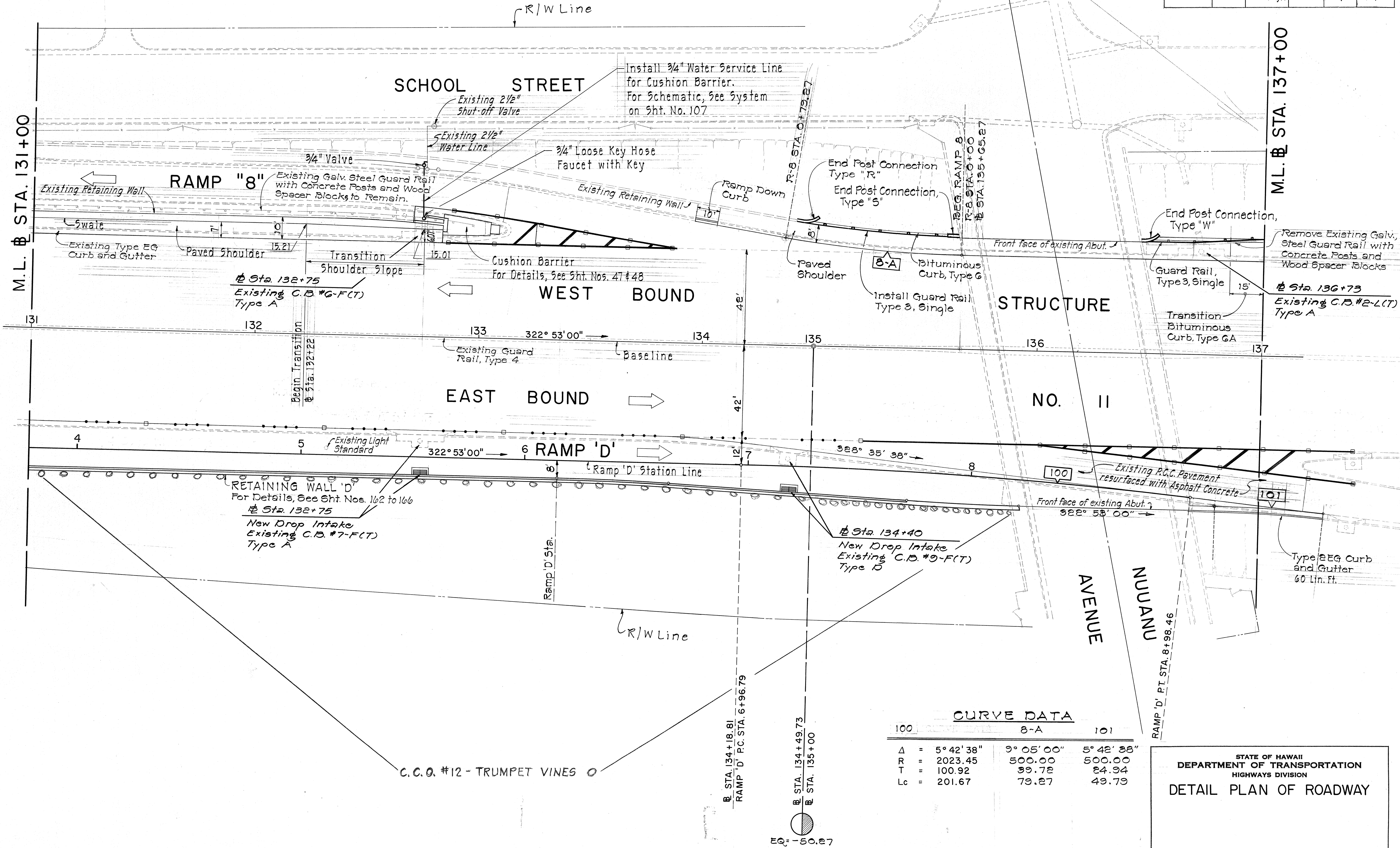


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 18 OF 20 SHEETS

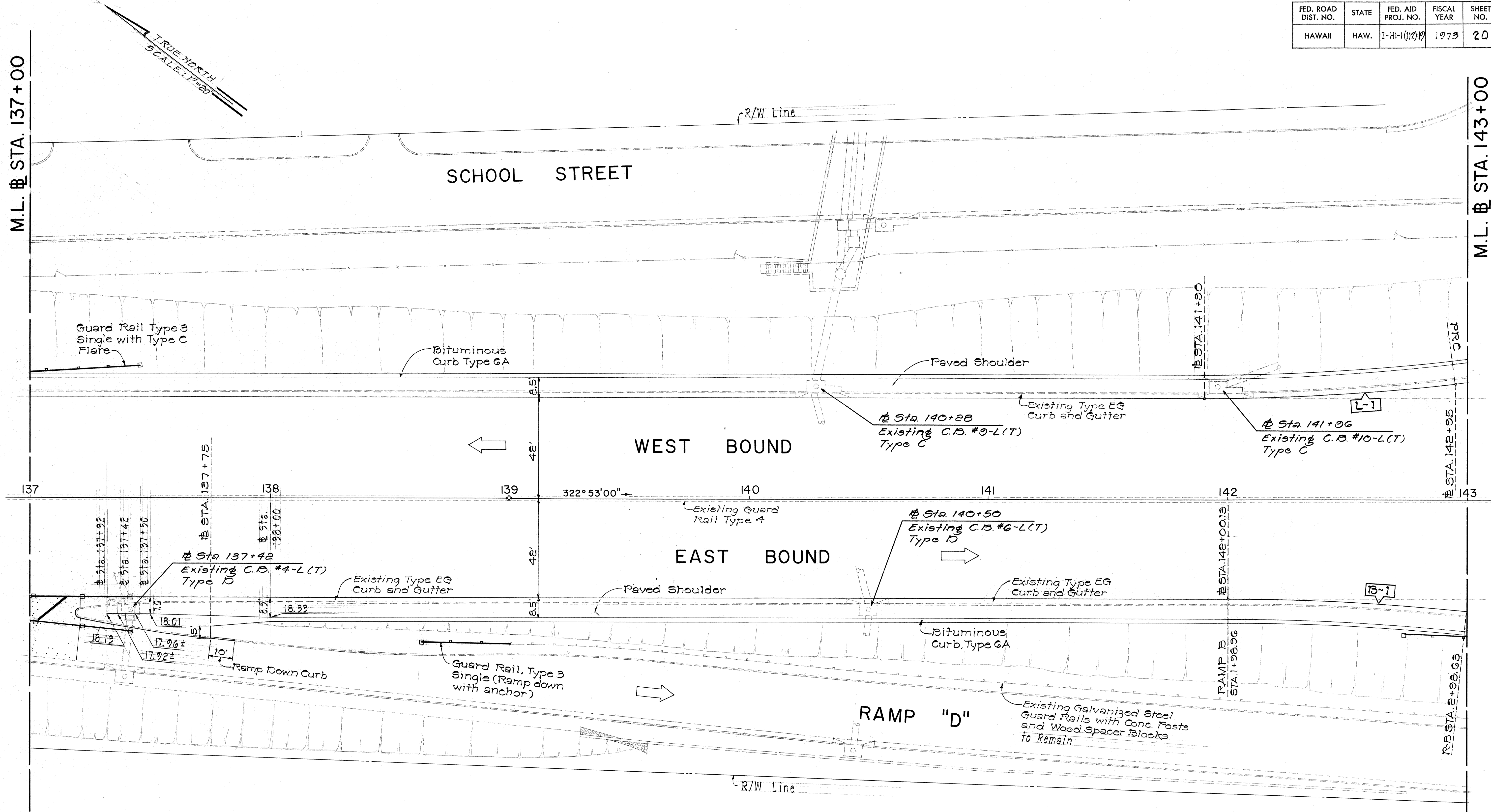
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	19	176



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	20	176



CURVE DATA

	L-1	B-1
Δ =	6° 38' 22"	5° 48' 38"
R =	321.75'	1000.00'
T =	52.66'	43.87'
Lc =	105.21'	93.67'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	" "
NOTE BOOK	TRACED BY	" "
	QUANTITIES BY	" "
	CHECKED BY	" "
No.		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	21	176

TRUE NORTH
Scale: 1"=20'

M.L. STA. 143+00

M.L. STA. 149+00

143

144

145

146

147

148

149

STRUCTURE

WEST BOUND

EAST BOUND

Baseline

NO. 1

PALI HIGHWAY

RAMP "D"

RAMP "H"

RAMP "G"

RAMP "B"

CURVE DATA			
	L-2	F-1	G-1
Δ	6° 38' 28"	3° 26' 00"	73° 46' 00"
R	921.75	1,000.00	350.00
T	52.66	29.97	262.63
Lc	105.21	59.92	450.61

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

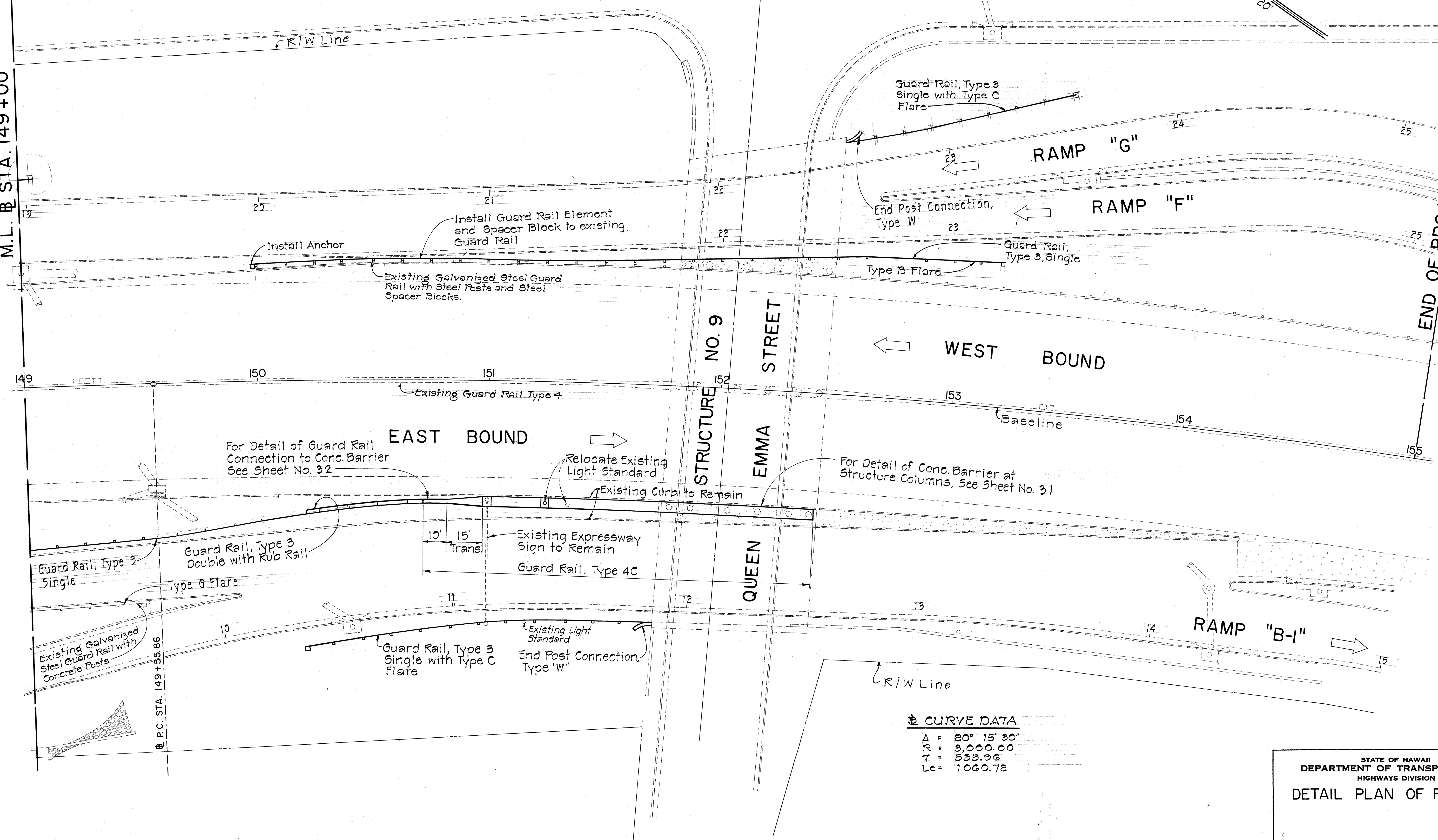
SHEET No. 19 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(112):19	1973	22	176

TRUE NORTH
Scale: 1"=20'

M.L. & STA. 149+00

END OF PROJECT NO. I-HI-1(112):19
& STA. 155+00



CURVE DATA
 $\Delta = 20^\circ 15' 30''$
 $R = 3,000.00$
 $T = 535.96$
 $Lc = 1060.72$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

F.A.I. PROJECT NO. I-HI-1(112):19

SHEET No. 20 OF 20 SHEETS

ORIGINAL	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	
NOTE BOOK	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	
No.		